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**REMARKS**

Claims 1-34 and 47-50 are currently pending in the subject application and are presently under consideration. Claims 1, 11, 18, and 47 have been amended herein as shown on pp. 2-12 of this Reply. Claims 3, 4, 33, and 34 have been cancelled herein.

Applicants' representative acknowledges with appreciation the Examiner indicating that claims 4, 6, 17, 21, 23, and 34 would be allowed if recast in independent form so as to include the limitations of respective base claim(s) and any intervening claim(s). Applicants' representative has amended independent claims 1 and 47 to incorporate the allowable aspects of claim 4 and intervening dependent claim 3, and independent claim 18 to set forth allowable aspects of claim 34 and intervening dependent claim 33, as suggested by the Examiner. Accordingly, it is presently believed that claims 1-34 and 47-50 are in condition for allowance.

Favorable reconsideration of the subject patent application is respectfully requested in view of the comments and amendments herein.

**I. Rejection of Claim 11 Under 35 U.S.C §112, Second Paragraph**

Claim 11 stands rejected under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Withdrawal of this rejection is respectfully requested in view of the herein amendment to claim 11 to provide proper antecedent basis.

**II. Rejection of Claims 1-3, 5, 8, 10-14, 16, 18-20, 22, 25, 27-31 and 33 Under 35 U.S.C §102(b)**

Claims 1-3, 5, 8, 10-14, 16, 18-20, 22, 25, 27-31 and 33 stand rejected under 35 U.S.C. §102(b) as being anticipated by Hodorowski (U.S. 5,530,643). It is respectfully submitted that this rejection should be withdrawn for at least the following reasons. Hodorowski does not teach or suggest each and every limitation of applicants' claimed invention.

For a prior art reference to anticipate, 35 U.S.C. §102 requires that "each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference." *In re Robertson*, 169 F.3d 743, 745, 49 USPQ2d 1949, 1950 (Fed. Cir. 1999) (quoting *Verdegaal Bros., Inc. v. Union Oil Co.*, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987)).

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The subject invention relates to creating function block diagrams for industrial control systems. More particularly, independent claim 1 of the subject invention has been amended to include novel aspects from dependent claim 4, which was indicated as being allowable, and intervening claim 3 to recite that the wire cross-reference indicia provides an indication proximate a wire connector in the function block diagram representation of a connection associated with the wire connector and a hyperlink to the connection. Hodorowski does not anticipate or suggest such aspects. Hodorowski instead relates representing actual wiring of emulated parts by programming a control system *via* generating a schematic on a programming terminal showing connections of terminals with symbols of the parts. (See Abstract). Hodorowski, however, is silent regarding a wire cross-reference indicia that provides an indication proximate a wire connector and a hyperlink to a connection as recited in the subject claim. Thus, Hodorowski fails to teach or suggest such claimed aspects of independent claim 1.

Moreover, independent claim 18 has been amended herein to recite a wired block parameter indicia that comprises an indication in a properties page associated with a function block that a parameter associated with the block is wired to a value source in the function block diagram representation, the indication provides that a value for the parameter may not be set manually in the user interface. Hodorowski discloses a wire list 275 that provides a distillation of logical schematic 250 indicating connections. (See col. 29, ll. 8-10). However, Hodorowski is silent regarding an indication that provides that a value for the parameter may not be set manually in the user interface. Thus, Hodorowski fails to teach or suggest such claimed aspects recited in independent claim 18.

In view of at least the above, it is respectfully submitted that Hodorowski does not teach or suggest applicants' invention as recited in independent claims 1 and 18 (and claims 2, 3, 5, 8, 10-14, 16, 19-20, 22, 25, 27-31 and 33 which respectively depend there from). Accordingly, withdrawal of this rejection is respectfully requested.

### **III. Rejection of Claims 47-50 Under 35 U.S.C §102(b)**

Claims 47-50 stand rejected under 35 U.S.C. §102(b) as being anticipated by Gretta *et al.* (U.S. 5,971,581). It is respectfully submitted that this rejection should be withdrawn for at least

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the following reasons. *Gretta et al.* does not teach or suggest each and every limitation of applicants' claimed invention.

Independent claim 47 has been amended herein to recite a wire connector cross-reference indicia that provides an indication proximate at least one of the input wire connector and the output wire connector, and a hyperlink to a connection associated with the at least one of the input wire connector and the output wire connector. *Gretta et al.* does not teach or suggest such claimed aspects. Instead, *Gretta et al.* relates to a user assembling a graphical program or wiring diagram on a screen that comprises function block icons that are linked with one or more wires connecting the function block icons. (See Abstract). However, *Gretta et al.* is silent regarding a hyperlink to a connection associated with the at least one of the input wire connector and the output wire connector. Thus, *Gretta et al.* does not teach or suggest such aspects of independent claim 47 as amended.

In view of at least the above, it is readily apparent that *Gretta et al.* does not teach or suggest applicants' invention as recited in independent claim 47 (and claims 48-50 which respectively depend there from). Accordingly, this rejection should be withdrawn.

**IV. Rejection of Claims 15 and 32 Under 35 U.S.C §103(a)**

Claims 15 and 32 stand rejected under 35 U.S.C. §103(a) as being unpatentable over *Gretta et al.* in view of *Lewis et al.* (U.S. 5,812,394). Claims 15 and 32 depend from independent claims 1 and 18 respectively, and *Gretta et al.* and/or *Lewis et al.* fail to cure the above noted deficiencies of *Hodorowski* with respect to the independent claims. Accordingly, withdrawal of this rejection is respectfully requested.

**V. Rejection of Claims 7, 9, 24 and 26 Under 35 U.S.C §103(a)**

Claims 7, 9, 24 and 26 stand rejected under 35 U.S.C. §103(a) as being unpatentable over *Hodorowski*. Claims 7, 9, 24, and 26 depend from independent claims 1 and 18 respectively, and are believed to be allowable based on the above noted deficiencies of *Hodorowski* with respect to the independent claims. Accordingly, withdrawal of this rejection is respectfully requested.

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Conclusion


The present application is believed to be in condition for allowance in view of the above comments and amendments. A prompt action to such end is earnestly solicited.

In the event any fees are due in connection with this document, the Commissioner is authorized to charge those fees to Deposit Account No. 50-1063[ALBRP215US].

Should the Examiner believe a telephone interview would be helpful to expedite favorable prosecution, the Examiner is invited to contact applicants' undersigned representative at the telephone number below.

Respectfully submitted,

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